Claims

1. A porous membrane comprising a polyamide having an equilibrium water absorption of not more than 10% as a main material.

2. The porous membrane of claim 1, wherein the polyamide having an equilibrium water absorption of not more than 10% comprises a dicarboxylic acid component comprising 60-100 mol% of terephthalic acid and a diamine component comprising 60-100 mol% of 1,9-nonanediamine and/or 2-methyl-1,8-octanediamine.

3. The porous membrane of claim 1, wherein the polyamide having an equilibrium water absorption of not more than 10% is contained in a proportion of 50-100 wt% in the material.

4. The porous membrane of claim 1, wherein the material further comprises polyvinylpyrrolidone.

5. The porous membrane of claim 2, wherein a molar ratio of the 1,9-nonanediamine and 2-methyl-1,8-octanediamine in the diamine component is 100:0-10:90.

6. The porous membrane of claim 1, wherein the polyamide having an equilibrium water absorption of not more than 10% comprises a molecular chain terminal group blocked with a terminal blocking agent by not less than 10% thereof.

7. The porous membrane of claim 6, wherein the terminal blocking agent is benzoic acid.

8. The porous membrane of claim 1, wherein the polyamide having an equilibrium water absorption of not more than 10% has a glass transition point of not less than 60°C.

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9. The porous membrane of claim 1, wherein the polyamide having an equilibrium water absorption of not more than 10% shows an intrinsic viscosity of 0.4-3.0 dl/g as measured in concentrated sulfuric acid at 30°C.

10. The porous membrane of claim 1, which has a membrane thickness of 3-2000 μm.

11. The porous membrane of claim 1, which is an asymmetric membrane comprising a dense layer and a support layer.

12. The porous membrane of claim 11, wherein the dense layer has an average surface roughness of 1-10 nm.

13. The porous membrane of claim 11, wherein the support layer comprises pores having an average pore size of 0.01-100 μm on the surface.

14. The porous membrane of claim 1, which has a β_2-microglobulin clearance of not less than 35 mL/min.